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(54) WHISKER FOR METAL COMPOSITE MATERIAL

(57)Abstract:

PURPOSE: To enhance the mutual bonding strength of the titled whisker and a matrix phase metal by enhancing wettability of said whisker with said metal, by coating the surface of a silicon nitride or carbide whisker with a metal such as nickel or copper.

CONSTITUTION: A silicon nitride or carbide whisker is cleaned or washed with water and subsequently purified by etching treatment. In the next step, catalyzing or activating treatment is applied to the purified whisker and, thereafter, a metal such as nickel or copper is applied to the surface of said whisker by an electroless plating method.

LEGAL STATUS

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